

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 05/06/2016 10:56 AM
Cytometer Baseline: 04/21/2016 10:14 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 51739, **Expiration Date:** 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124383	-1	2.85	124172	2.83
Blue	F	SSC	125000	123320	-2	5.07	124229	4.87
Blue	E	FITC	17316	16705	-4	3.71	943	9.47
Blue	D	PE	22501	21884	-3	3.40	985	8.48
Blue	B	PerCP-Cy5-5	67647	67410	-1	3.93	1776	13.45
Blue	A	PE-Cy7	80682	79823	-2	4.76	1051	25.29
Red	C	APC	64263	63718	-1	2.71	3594	8.44
Red	A	APC-Cy7	96129	95619	-1	2.79	1897	8.13
Violet	B	V450	11714	11182	-5	3.67	694	8.00
Violet	A	V500	48394	47689	-2	3.29	2696	5.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19440	4.41	592	3	N/A	N/A	Pass
Blue	F	SSC	61490	3.84	516	2	N/A	N/A	Pass
Blue	E	FITC	102	36.11	519	-1	0.0244	126	Pass
Blue	D	PE	204	24.71	514	0	0.1789	151	Pass
Blue	B	PerCP-Cy5-5	217	40.19	609	2	0.0112	29	Pass
Blue	A	PE-Cy7	77	103.03	666	3	0.0145	16	Pass
Red	C	APC	335	26.46	586	1	0.0195	0	Pass
Red	A	APC-Cy7	119	39.16	566	1	0.0046	900	Pass
Violet	B	V450	74	40.73	455	-1	0.0491	1803	Pass
Violet	A	V500	176	22.55	488	1	0.0136	263	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.16	-30.74	0.81
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.31
Red	15.35	13.28 - 19.92	N/A	N/A	31.26	31.60	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9973

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments